

AYZIN, B.M.

Reproduction, growth, and age groups of the marmot populations
of Tien Shan (*Marmota baibacina centralis* Thos.). Trudy Inst.
zool. i paraz. KirFAN SSSR. no.1:65-78 '54. (MLRA 10:6)
(Tien Shan--Marmots)

AYZIN, B.M.

Rodent fauna of the cities of Kirghizia and measures for its
development. Trudy Inst. zool. i paraz. KirVAN SSSR no.2:21-
29 '54. (MLRA 10:6)

(Kirghizistaz., Rodentia)

TOKTOSUNOV, A.; AYZIN, B.M., red.; ANOKHINA, M.V., tekhn.red.

[Rodents of Kirghizistan] Gryzuny Kirgizii. Frunze, Izd-vo
Akad.nauk Kirgizskoi SSR, 1958. 169 p. (MIRA 12:3)
(Kirghizistan--Rodentia)

AYZIN, B.M.

Seasonal life and daily activity of the Tien Shan marmot
(*Marmot baibacina centralis* Thos.). Trudy Inst.zool.1 paraz.
AN Kir.SSR no.7:77-87 '59. (MIRA 13:4)
(Marmots)

ATZIN, B. M.; IBRAIMOV, A. I.

Structure of winter burrows of bobcats. Izv. AN Kir. SSR.
Ser. biol. nauk 4 no.1:55-58 '62, (MIRA 15:10)

1. At-Bashinskoye protivochumnoye otdeleniye Ministerstva
zdravookhraneniya SSSR.

(At-Bashi District—Marmots)

YANUSHEVICH, A.I., otv. red.; DOLGUSHIN, I.A., zam. otv. red.; LUZHIN,
B.L., red.; PALIY, V.F., red.; AYZIN, B.M., red.; VOZHEYKO,
I.V., red.; SUVOROVA, R.I., red.; ROROKINA, Z.P., tekhn. red.

[Animal acclimatization in the U.S.S.R.] Akklimatizatsiya
zhivotnykh v SSSR; materialy. Alma-Ata, Izd-vo Akad. nauk
Kazakhskoi SSR, 1963. 369 p. (MIRA 16:7)

1. Konferentsiya po akklimatizatsii zhivotnykh v SSSR, Frunze,
1963. 2. Institut zoologii AN Kirg.SSR (for Yanushevich,
Ayzin, Paliy).

(Acclimatization)

AYZIN, B.M., kand.biolog.nauk

Problems in the acclimatization of animals. Vest. AN SSSR 33
no.8:119 Ag '63. (MIRA 16:8)

(Acclimatization)

AYZEN, B.M.

Some factors of geographical distribution of circulating form
and microform of plague in Kirghizistan. Izv. AN Kirg. SSR.
Ser. biol. nauk 6 no.231-38 '64 (MIRA 1964)

AYZIN, L.

Metal trees. Znan.sila 33 no.12:38 D '58.

(MIRA 11:12)

1. Glavnyy inzhener dvortsov-muzeyev i parkov g. Petrodvortsa.
(Petrodvorets--Fountains)

NIKOLAYEV, Ye.I., inzh.; AYZINA, T.V., inzh.; ENGVER, Ye.A., inzh.;
SHEVCHENKO, Ye.T., inzh.

Rapid glost firing of enameled glass tablets in gas kilns. Stek.
i ker. 22 no.9:38-39 S '65. (MIRA 18:9)

1. Institut gaza AN UkrSSR (for Nikolayev). 2. Stekol'nyy zavod
"Proletariy" (for Ayzina, Engver, Shevchenko).

[yn.]
AYZINBUD, S., dotsent, kandidat tekhnicheskikh nauk

~~no.12:44-52 D'47.~~ Problems related to Diesel locomotive operation. Zhel.dor.transp.
no.12:44-52 D'47. (MLEA 8:12)

(Diesel locomotives)

AYZINBUD, S.Ya., kandidat tekhnicheskikh nauk (g. Rostov-na-Donu)

A needed book on diesel locomotives ("Diesel Locomotives," S.A. Shafranovskii, N.Z. Pereverzev, N.I. Korolev. Reviewed by S. IA. Aizinbud). Zhel.dor.transp. 37 no.2:95-96 F '56.

(MLRA 9:5)

(Diesel locomotives) (Shafranovskiy, S.A.) (Pereverzev, N.Z.)
(Korolev, N.I.)

AYZINBUD, S.Ya., kandidat tekhnicheskikh nauk.

~~Operating heavy-weight trains with diesel locomotives.~~ Zhel.dor.
transp. 37 no.6:15-18 Je '56. (MLRA 9:8)
(Diesel locomotives)

Assigned S. Ya.
BOVIN, Andrey Andreyevich; ANUFRIYEV, Aleksandr Nikolayevich; AYZINBUD, S.Ya.,
kand.tekhn.nauk, red.; BOBROVA, Ye.N., tekhn.red.

[Converting steam locomotive depots to diesel locomotive depots;
the experience of the Ordzhonikidze railroad] Pereoborudovanie
parovoznykh depo v teplovozye; opyt Ordzhonikidzevskoi zheleznoi
dorogi. Moskva, Gos.transp.zehl-dor.izd-vo, 1957. 103 p.

(MIRA 10:13)

(Locomotives)

(Diesel locomotives)

AYZINBUD, S. Y. kandidat tekhnicheskikh nauk; ZADENKO VSELY, A. Ya.,
kandidat tekhnicheskikh nauk.

Repair diesel locomotives by mass production methods. Elek. i
tepl. tiaga no.3:21-23 Mr '57. (MLRA 10:6)
(Diesel locomotives--Repairs)

AYZINBUD, Samuil Yakovlevich, kand.tekhn.nauk; MAMCHENKO, V.P., inzh.,
red.; VERINA, G.P., tekhn.rad.

[Using the circular run in the operation of electric and diesel
locomotives] Kol'tsevaia ezda pri elektrovosnoi i teplovosnoi
tiage. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 69 p.
(Railroads--Management) (MIRA 11:12)

AYZINBUD, S.Ya., kand.tekhn.nauk

Brochures on diesel locomotive repair. Elek. 1 topl. tiaga 2
no.8:3 of cover Ag '58. (MIRA 11:9)
(Bibliography--Diesel locomotives--Maintenance and repair)

KROTOV, F.D.; AYZINBUD, S.Ya., kand.tekhn.nauk (Rostov-na-Donu)

Book on the reorganization of locomotive depots
("Expansion of locomotive barns" by V.G.Merezhko. Re-
viewed by F.D.Krotov, S.IA.Aizinbud). Zhel.dor.transp.
42 no.7:94-95 J1 '60. (MIRA 13:7)

1. Glavnyy inzhener lokomotivnoy sluzhby Severo-Kavkazsk
dorogi (for Krotov).
(Railroads--Repair shops)
(Merezhko, V.G.)

AYZINBUD, S.Ya., kand.tekhn.nauk; LORMAN, L.M.

Maintenance of locomotives operating over long hauls and serviced by
shifting crews. Zhel. dor. transp. 43 no. 1:35-41 Ja '61.
(MIRA 14:4)

1. Nachal'nika otдела remonta elektropodvizhnogo sostava
Kuybyshevskoy dorogi (for Lorman).
(Locomotives—Maintenance and repair)

MAMCHENKO, V.P., inzh.; RYAZANTSEVA, Ye.A., inzh.; DROZDOV, M.A., kand. tekhn. nauk, retsenzent; AYZIMOV, S.Ya., kand. tekhn. nauk, retsenzent; POLULEKH, V.K., inzh., retsenzent; STOLYARCHUK, I.V., kand. tekhn. nauk; GOROKHOVIKOV, L.M., kand. tekhn. nauk; SAZONOV, A.G., inzh., red.; CHEREPASHENETS, R.G., inzh., red.; USENKO, L.A., tekhn. red.

[Operation of locomotives] Ekspluatatsia lokomotivov. Moskva, Transzheldorizdat, 1963. 415 p. (MIRA 16:12)
(Locomotives) (Railroads--~~Mar.~~)

AYZINBUD, Yu. I.

"Experimental Investigation of the Self-Purification of Water
Reservoirs From Typhoid-Paratyphus Group Bacteria." Cand Med Sci,
First Moscow Medical Inst, Moscow, 1953. (RZhBiol, No 1, Sep 54)

SO: Sun 438, 29 Mar 55

SEKRETTA, Pavel Maksimovich; AYZINBUD, Yulif' Izrailevna; SVIRIDOVA,
Larisa Valer'yanovna; KHRISTOV, L.N., red.; MATVEYEVA, M.M.,
tekhn. red.

[Organizing the work of city hygiene and epidemiology
institutes] Organizatsiia raboty gorodskikh sanitarno-epidemi-
ologicheskikh uchrezhdenii. Moskva, Medgiz, 1962. 102 p.
(MIRA 15:3)

(PUBLIC HEALTH)

AYZINEUDAS, L. B.

Method for studying alimentary motor reflexes in swine. Sov. zootekh. 7, no. 7, 1952. Kandidat Biologicheskikh Nauk Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya Instituta Sel'skogo Khozyaystva Akademii Nauk Latvyskoy SSR

SO: MLRA. September 1952.

USSR/Human and Animal Physiology - Thermoregulation.

T-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31559

Author : A. Zinbudas, L.B.

Inst : -

Title : Concerning the Reaction of the Organism of Cows to a
Change of Air Temperature.

Orig Pub : Liet. TSR Mokslu Akad. Darbai, Td, AN LitSER, 1956, B 3
(6), 115-117.

Abstract : No abstract.

Card 1/1

AYZINEUDAS, L. B. Doc Biol Sci -- (diss) "Peculiarities of certain vegetative
and defensive reactions of agricultural animals in connection with the individual
differences in their higher nervous activity." Len, 1957. 26 pp with illustrations
(Acad Sci USSR. Inst of Physiology im I. P. Pavlov), 100 copies (KL, 4-58, 81)

USSR / Farm Animals. General Problems. Q

Abstr Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7249

Author : Ayzinbudas, L. B.

Inst : AS USSR

Title : The Study of the Higher Nervous Activity of
Swine and Cows in Relation to Their Productivity

Orig Pub : V. sb.: Vopr. fiziol. s.-kh. zhivotnykh. M.-
L., AN SSSR, 1957, 82-86

Abstract : The characteristics of the higher nervous
activity were studied in sows of the Lithuanian white breed by establishing a conditioned alimentary motor reflex in response to a bell and also by relating them to the pro-

Card 1/3

USSR / Farm Animals. General Problems. Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7249

duction of the animals. In swine which were endowed with well developed stimulative and inhibitive processes, milk production and fertility were higher than in swine which belonged to a weaker type (70.5 kg and 18 piglets as compared to 47 and 9, respectively). Experiments which were conducted on cows, calves and nursing piglets in order to study their higher nervous activity by establishing an alimentary motor reflex in response to a place (a feeding-trough), showed that with the assistance of this method it is possible to single out animals with different stimulative and inhibitive processes and a different alertness of cortical processes. The calves of the experimental group which were given 3

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USSR / Farm Animals. General Problems. Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7249

times more juicy and 2 times less concentrated feeds compared to the control group displayed less intensive stimulative processes than the controls. In the latter, lung ventilation (at the appearance of the calf keeper and at preparation of food) increased on the average by 17 percent, the consumption of oxygen (influenced by a sound stimulant) by 11.2 percent, in experimental calves correspondingly by 9.2 and 3.2 percent.
-- M. F. Demina

Card 3/3

USSR / Farm Animals. Cattle

Q-2

Abn Jour : Ref Zhur - Biol., No 14, 1958, No 64452

influence on the character of the let down of milk and its fat content, while in the case of the cow Prokaznitsa, with weak and inert nervous processes, the curves of the distribution of fat changed considerably. When the pulsation rate of the milking machine was increased to 200 pulsations per minute, the cow Prokaznitsa was 50% behind, and when the speed was reduced to 20 pulsations per minute, she was about 30% behind in the letdown of milk and fat content. In the cow Zvezdochka, the increase of the pulsation rate brought about 4% increase of the milk yield and 47% increase of the fat secretion, and the reduction of the pulsation rate lowered the milk yield and fat content of the milk by 2 - 3.1%.

Card 2/2

Country	: USSR	
Category	: Farm Animals.	2
	General Problems.	
Abs. Jour	: Ref Zhur-Biol., No 21, 1958, 96800	
Author	: <u>Ayzinbudas, L. B.</u>	
Institut.	: -	
Title	: The Reactive Constitution of Farm Animals.	
Orig Pub.	: Zh. obshch. biol., 1958, 19, No 1, 3-21	
Abstract	: The reaction concept (response to the influences of the surrounding environment) is linked to hereditary and constitutional concepts. The study of reaction and adaption characteristics of the farm animals' organism not only permits to expose the most resistant individual animals and groups of animals, but also to change them according to plan by subjecting them to prolonged influences of different feeding and keeping conditions. Experiments have established that the various vegetative and defense	
Card:	1/3	

Country : USSR
 Category : Farm Animals. General Problems. Q
 Abs. Jour : Ref Zhur-Biol., No 21, 1956, 96800
 Author :
 Institut. :
 Title :
 Orig Pub. :
 Abstract : reactions of the farm animals' organism are linked to the state of the cerebral cortex. In evaluating the constitution of farm animals, the subjective properties of the nervous system, its reaction capacity and stability are taken into account. In order to determine the characteristics of higher nervous activity in cattle and swine, the alimentary free-motion method was applied. It was established that the dynamics of conditioned alimentary free-
 Card: 2/3

AYZINBUDAS, L.B. [Aizinbudas, L.]; YATSKUNAS, K.M. [Jackunas, K.];
SHUOPITE, O.I. [Suopyte, O.]

Effectiveness of the use of the biomass of methane fermentation bacteria in mixed feeds for chicks. Vit. res. i ikh
isp. no.6:140-144 '63. (MIRA 17:1)

1. Litovskiy nauchno-issledovatel'skiy institut zhivotnovodstva i Litovskaya veterinarnaya akademiya, Kaunas.

GOLOSHCHAPOV, Yu.N.; TEREKHINA, M.T.; AYZINBUDAS, L.B.; IVANOVA, A.D.

International Congress of Veterinarians. Veterinariia 41
no.1:111-112 Ja '65. (MIRA 18:2)

AYZINGER, F.Z.

LIPKIN, M.Ye.; GVOZDIKOV, S.F.; LIPSITS, D.V.; AYZINGER, F.Z.

Remarks on the control over semifluid colored media. Lab. delo
3 no.1:39-41 Ja-F '57 (MLBA 10:4)

1. Iz oblastnoy sanitarno-epidemiologicheskoy stantsii i
Vsesoyuznoy nauchno-issledovatel'skoy stantsii po vaku kartofelya,
Chernovitsy.

(BACTERIOLOGY---CULTURES AND CULTURE MEDIA)

AYZINGER, F.Z.

LIPSITS, D.V.; AYZINGER, F.Z.

Tissue respiration in the potato plant as related to its wart resistance. Fiziol. rast. 5 no.2:180-182 Mr-Ap '58. (MIRA 11:4)

1.Vsesoyuznaya nauchno-issledovatel'skaya stantsiya po raku kartofelya, Chernovtsy.

(Potato wart) (Plants--Respiration)

3725. Some additional parameters in electronic valve networks. *Azaryov, M. M. Radiotekhnika, 4, 73-5 (May-June, 1969) In Russian.*—A general matrix algebra analysis is given, valid for any valve amplifier, applying also to neg. feedback systems, but restricted to the linear mode of operation. The concepts of "working amplification" and attenuation coefficients are introduced and their use explained; they become, respectively, equal to unity or disappear in the case of purely resistive load in an amplifier without degeneration. A.L.

SA

B 66

Card. Tech. Sci.

ALG-11A METALLURGICAL LITERATURE CLASSIFICATION

AYZINOV, M. M.

USSR/Electronics - Pulse Amplifiers" Sep 52

"Transient Processes in Combined Multicascade Pulse Amplifiers," M.M. Ayzinov

"Zhur Tekh Fiz" Vol 22, No 9, pp 1494-1499

Studies cascade equipment with either plate or cathode load. It is shown that combined systems with both anode and cathode output have advantages over systems with only one kind of cascade. Indebted to V.F. Volynitsin. Received 10 Apr 52.

227130

AYZINOV, M.M., kandidat tekhnicheskikh nauk.

~~AYZINOV, M.M.~~
Linear systems potentially equivalent to nonlinear. Sbor.trud.LONITOV
no.1:75-80 '54. (MLRA 10:5)
(Radio circuits)

AYZINOV, M. M.

"Design of Interstage Circuits of Pulse Amplifiers,"
Sb. tr. Leningr. otd Vses Nauch.inzh.-tekhn. ob-va vodnogo transporta,
No 1, pp 81-92, 1954

The approximation synthesis method of interstage circuit of pulse amplifier is based on expanding the signal into Fourier series and designing the circuit as parallel coupling of successive resonant stages. (RZhFiz, No 4, 1955)

SO: Sum, No 606, 5 Aug 55

AYZINOV, M.M.

USSR/Electronics - Video-frequency amplifiers

FD-1059

Card Pub 90 - 7/12

Author : M. M. Ayzinov

Title : A video-frequency amplifier circuit with feedback (Author's abstract)

Periodical : Radiotekhnika 9, 68-71, Jul/Aug 1954

Abstract : The author's analysis of one of the most widely used video-frequency amplifier circuits shows that, in contradiction to the conclusions drawn by O. B. Lur'ye (Zhur. Tskh. fiz. 20, May 1950), it is possible to obtain 42% greater amplification from a circuit with simple correction than from the amplifier with feedback being discussed. Diagrams. Two references: USSR, 1949, 1950.

Institution : --

Submitted : 8 February 1951 (Article); 16 March 1954 (Author's abstract).

AYZIMOV, Mark Moiseyevich; LIVSHITS, A.R., redaktor; PETERSON, M.M., tekhnicheskii redaktor

[Transient processes in elements of radio apparatus] Perekhodnye protsessy v elementakh radioustroistv. Leningrad, Izd-vo "Morskoi transport," 1955. 491 p. (MLRA 9:2)
(Radio circuit)

USSR/Electronics - Circuits

FD-2673

Card 1/1 Pub. 90-5/12

Author : Ayzinov, M. M.

Title : Pulse amplifier with two-channel feedback

Periodical : Radiotekhnika, 10, 46-50, Jul 55

Abstract : O. B. Lur'ye first suggested that the performance of video amplifiers should be evaluated on the basis of their transient characteristics, i.e. time dependence of the voltage at the output, when a single-function signal is applied at the input. Calculations and charts are presented to show the advantages of a pulse amplifier with two-channel negative feedback, which secures high voltage gain with short build-up time and peak duration, for correction of the amplifier's time characteristics. The author concludes that a video amplifier with multi-channel feedback is far superior to those presently used circuits with inductive correction, and that it should eventually find a wide application. Author thanks Engr V. F. Reshetnikov for assistance. Graphs.

Institution :

Submitted : April 30, 1954

AYZINOV, M.M.

Video-gain amplifier in a lamp with grounded grid. Uch. zap.
VIMU no. 2:3-6 '56. (MIRA 11:8)

1. Kafedra teoreticheskoy radiotekhniki Leningradskogo vysshego
inzhenernogo morskogo uchilishcha im. admirala Makarova.
(Television--Apparatus and supplies)

9.3210 (1013, 1031, 1067)

81490
S/112/59/000/014/067/085
A052/A001

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 14, p. 238,
30237

AUTHOR: Ayzinov, M.M.

TITLE: On Analysis and Synthesis of Linear Radiotechnical Chains by
Transient State Parameters

PERIODICAL: Uch. zap. Leningr. vyssh. inzh. norekh. uch-sheha, 1957, No. 9,
95 pages, ill.

TEXT: Relations between transient characteristic parameters of a linear system and the arrangement of poles and zeros of its complex transmission factor are investigated. The results of investigation are applied to the problems of analysis, selection of the optimum parameters and synthesis of linear systems with a finite number of concentrated constants. The necessary monotonous conditions of transient characteristic are formulated as theorems. These theorems enable one to study the nature of the transient process by singular points of the transmission factor or to arrange the singular points in such a way that the

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S/112/59/000/014/067/085
A052/AC01

On Analysis and Synthesis of Linear Radiotechnical Chains by Transient State Parameters

desired nature of the transient process could be obtained. Formulae for calculating the rise time, delay time and overshoot of transient characteristic are derived, using the poles and zeros of the transmission factor. It is shown that there are 2 families of curves on the plane of complex variables. One family has a property that when the poles and zeros of transmission factor are shifted along the curves of this family, no changes in rise time and overshoot of transient characteristic take place and only the delay time changes. The other family has a similar invariant property in relation to the delay time. Methods of synthesis of linear systems with concentrated constants by a given form of signal are listed for the following demands: 1) the least distorting system, 2) forming system, 3) system with the optimum parameters with respect to signal transconductance, 4) system performing selection by the signal shape. Some practical application of these methods are indicated to calculation of video pulse amplifiers (an amplifier with a simple correction, an amplifier with a 2-pole composite correction circuit, an amplifier with a

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A052/A001

On Analysis and Synthesis of Linear Radio-technical Chains by Transient State Parameters

composite correction without attenuation, a 2-stage amplifier with a simple correction). Suggestions are made concerning utilization of the results obtained in the problem on the effect of instability of the circuit elements on the main parameters of its transient characteristics. There are 91 references.

B.R.L.

Translator's note: This is the full translation of the original Russian abstract.

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Card 3/3

6.9200

S/109/60/005/012/001/035
E192/E482

AUTHOR: Ayzinov, M.M.

TITLE: Synthesis of a Linear Waveform Selection System

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol.5, No.12,
pp.1879-1884

TEXT: The article constitutes an application of the method developed by the author (Ref.3) for the separation of a useful signal from noise when the time parameters of the signal and noise are given. The time characteristics of two pulse signals may be given either graphically or by equation. A second problem considered is the separation of a prescribed pulse signal from white noise. Except for the white noise the time characteristics of the pulse signals must be expressed in terms of a sum of damped exponentials. A method for passing directly from the graph of the time characteristic to the Laplace transform of the approximating sum of damped exponentials is given in the author's earlier work (Ref.3). The solution to the problem will be a finite linear system with lumped constants, with transfer function of the same form as the Laplace transforms of the signals. An input signal consisting of two pulse signals with Laplace transforms in the form

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Synthesis of a Linear ...

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E192/E482

of Eq.(3) will have the Laplace transform Eq.(8) with poles identical with those of the component signals while the zeroes of the resultant signal depend on the poles and zeroes of the initial signals, but do not coincide with them. A linear waveform selection signal with zeroes of the transfer function at the poles of the noise pulse waveform and poles of the transfer functions at the zeroes of the transform of the resultant signal will pass the original signal and eliminate the interference. To prevent distortion of the useful signal, it is necessary to place additional zeroes of the transfer function at the zeroes of the transform of the useful signal. An alternative procedure is proposed where this is not possible. In considering the problem of white noise, the author starts from the fact that a linear circuit with white noise at the input will produce at its output a signal corresponding to its pulse characteristic. The solution consists of two circuits in series, one of which transforms the noise with minimum distortion of the useful signal while the other constitutes a linear waveform separation filter in the previous sense. The poles and zeroes of the first network (minimum distortion of useful signal) coincide with the zeroes and poles of the useful signal with additional

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Synthesis of a Linear ...

S/109/60/005/012/001/035
E192/E482

poles and zeroes selected in accordance with criteria developed in the abovementioned earlier paper (Ref. 3). A concrete example is given for the case of separation of two pulse signals. There are 4 figures and 4 Soviet references.

SUBMITTED May 20 1960

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Card 3/3

Ayzinov, Mark Moiseyevich

Radiotekhnika i radionavigatsionnyye pribory (by) M.M. Ayzinov, A.M. Bayrashevskiy
(1) V.A. Polozhintsev. Leningrad, "Morskoy Transport", 1962.

474 p. illus., diagrs.

PHASE I BOOK EXPLOITATION

SOV/6464

Ayzinov, Mark Moiseyevich, Aleksandr Mustafovich Bayrashevskiy, and Vasiliy Alekseyevich Polozhintsev

Radiotekhnika i radionavigatsionnyye pribory (Radio Engineering and Radio Aids to Navigation) Leningrad, "Morskoy transport", 1962. 474 p. Errata slip inserted. 9700 copies printed.

Ed.: K. F. Ditrikh; Ed. of Publishing House: Yu. V. Goryanskiy; Tech. Ed.: O. I. Kotlyakova.

PURPOSE: This book has been approved by the Ministry of the Merchant Marine (Department of Schools) as a textbook for navigation divisions in marine engineering schools of higher education, and may be useful as a handbook for navigators of the merchant marine.

COVERAGE: The book deals with the physical foundations of radio engineering and electronics. The design and operating principles of radio aids to

Card 7/15

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Radio Engineering and Radio Aids (Cont.)

SOV/6464

navigation, aural and automatic visual radio direction finders, radio beacons, and phase-pulse navigation systems are discussed. Considerable attention is paid to the foundations of radar as well as to the design and operations of marine radar equipment. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

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Ch. I. Initial Considerations (Aspects)	
1. Principles of building systems of radio communication	5
2. Linear and nonlinear systems	5
3. Frequency spectra utilized for transmitting the information	8
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Ch. II. Single Oscillatory Circuit	
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Card 2/13

AYZINCV, Mark Moiseyevich; AZARKH, I.S., recd.

[Analysis and synthesis of linear radio circuits in transient operation] Analiz i sintez lineinykh radio-tekhnicheskikh tsepei v perekhodnom. rezhime. Moskva, Izd-vo "Energia," 1964. 281 p. (MIRA 17:5)

LITVINENKO, C.N.; SOSHNIKOV, V.I.; FEL'D, Ya.N., prof., retsenezent;
AYZINOV, M.M., prof., retsenezent; KOCHETKOVA, N.A., red.

[Theory of nonuniform lines and their use in radio engineering] Teoriia neodnorodnykh liniy i ikh primeneniye v radio-
tekhnike. Moskva, "Sovetskoe radio," 1964. 535 p.
(MIRA 17:6)

AYZINOV, Yu. M.

Mechanized transportation of sugar, fruit, and berry materials. Khleb.
1 kond. prom. 1 no.5:30-32 My '57. (MIRA 10:6)
(Confectionery) (Loading and unloading)

L 47727-55 EWT(d)/EWT(m)/EWP(c)/EWI(d)/EWI(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(1)
Pf-4 Jp

ACCESSION NR AML049801

BOOK EXPLOITATION

33 B/
30
B+1

Melamed, G. .; TSvetkov, V. D.; Ayzman, D. S.

Unit-head machine tools (Agregatnyye stanki), Moscow, Izd-vo "Mashinostroyeniye",
1964, 422 p. illus., biblio. Errata slip inserted. 8,000 copies printed

TOFIC TAGS: machine tool, mechanical engineering, automation

PURPOSE AND COVERAGE: This book covers the basic problems of designing unit-head machine tools for boring, drilling, thread cutting and milling. It describes current designs of power heads, power and rotating-separation tables, spindle heads, attachments, cutting tool, housings, and a number of other components used in the USSR and abroad for unit-head machine tools. The book examines the principles of head assembly and analyzes the productivity and method for calculating the reliability of unit-head tools and their economic effectiveness. Problems of the classification of unit-head tools and their typical components are included. The book is intended for engineers and technicians of the machine tool, mechanical engineering, and instrument building plants and design organizations concerned with the design, fabrication, and use of unit-head machine tools.

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L 67727-65

ACCESSION NR AM4049801

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SUBMITTED: 25Mar64

SUB CODE: MM, III

IC REF SOV: D23

OTHER: (00

П 3/3

AYZMAN, D.S., inzh.; GORELIK, G.I., inzh.; KUZNETSOV, V.P., kand. tekhn.
nauk

Technological potentialities of machine-tool units manufactured
at the Minsk Automatic-Line Plant. Mash. Bel. no.2:3-21 '60.
(MIRA 16:7)

(Minsk--Machine tools)
(Automation)

AYZMAN, G.

Schools for foremen, their results and potentialities. Prof..
tech. obr. 22 no. 10:41-42 O '65. (MIRA 18:10)

1. Direktor uchebno-kursovogo kombinata tresta "Chelyabmetallurgstroy."

MELAMED, G.I.; TSVETKOV, V.D.; AYZMAN, D.S.; ZOTOV, G.I., inzh.,
rotenzent; LIVSHITS, Sh.Ya., inzh., red.

[Machine-tool units] Agregatnye stanki. Moskva, Izd-vo
"Mashinostroenie," 1964. 422 p. (MIRA 17:6)

AYZMAN, G.

Study groups on construction sites. Prof.-tekhn. obr. 21 no. 22-
25-27 D '64. (MIRA 18:2)

1. Direktor ushebno-kursovogo kombinata tresta "Chelyabmetallurgstroy".

AYZMAN, I. M.

Therapeutic-prophylactic inhibition in pre- and postoperative periods.
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AYZMAN, I.M.

Preoperative care and anesthesia in extensive operations. Vest. khir.
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V. I. Popov), Military Medical Academy imeni S. M. Kirov.

AYZMAN, I. [M.]

"Therapeutic protective inhibition in the preoperative and postoperative period. Tr. from the Russian", p. 32 (Analele Romano-Sovietice, Seria Medicina Generala, Series a III-a, v. 6, no. 2, Mar./Apr. 1953, Bucuresti)

SO: Monthly List of East European Russian Accessions, Vol. 2, No 9, Library of Congress, September 1953, Uncl.

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Experience in surgery of the lungs and mediastinum. Vest.khir. 83
no.9:95-101 S '59. (MIRA 13:2)

(LUNGS, surg.)

(MEDIASTINUM, surg.)

AYZMAN, G.

Improving the qualifications of construction workers. Prof.-tekh.
obr. 19 no.4:31 Ap '62. (MIRA 15:4)

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(Building trades---Study and teaching)

AYZMAN, L.Ya., inzh.; BELEN'KIY, L.S.

Use of a small fork lift truck in the servicing of a substation.
Elek. sta. 34 no.9:85-86 S '63. (MIRA 16:10)

ACC NR: AP001/901

SOURCE CODE: UR/0413/66/000/010/0085/0085

INVENTOR: Slutskovskiy, A. I.; Bogdanov, V. V.; Pishchulin, V. V.; Veksler, B. Ye.; Ayzman, Yu. A.; Malinskiy, S. A.

ORG: None

TITLE: Automatic gain control for amplifiers in seismic prospecting units. Class 42, No. 181828

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 85

TOPIC TAGS: seismic prospecting, automatic gain control

ABSTRACT: This Author's Certificate introduces an automatic gain control for amplifiers in seismic prospecting units. The device is based on Author's Certificate No. 119689. Recording clarity with respect to amplitude is improved and the width of the illegible washout zone is reduced in the region of first arrivals by using stabilitrons in charging and discharging the filter capacitor for various purposes.

SUB CODE: 09, 08/ SUBM DATE: 29May63

Card 1/1

UDC; 534.632;681.892

ACC NR: AT6000091 SOURCE CODE: UR/2619/64/000/035/0103/0109

AUTHOR: Melamid, A. Ya.; Ayzman, Yu. A. 38
8+1

ORG: Institute of Physics of the Earth in. O.Yu. Shmidt. AN SSSR (Institut fiziki zemli AN SSSR)

TITLE: APMZ-ChM station for the intermediate magnetic recording of seismic vibrations

SOURCE: AN SSSR. Institut fiziki zemli. Trudy, no. 35, 1964, 103-109

TOPIC TAGS: seismologic station, seismography, seismologic instrument, seismic wave

ABSTRACT: The APMZ-ChM is an intermediate-range, frequency-modulation, magnetic recorder. Technical characteristics are: 35 channels; range of frequencies, 5-400 cps; dynamic range, not less than 46 decibels (without EPU receiver); nonlinear distortion of not more than 3% with 46-decibel dynamic range; 35-mm, type 2 magnetic tape on diacetate base moves at 380.15 mm/sec. The station is powered by 6-, 12-, or 24-volt dry-cell batteries (photograph, general schematic, schematics for recorder-modulator, kinematic circuit of magnetic recorder, semiconductor timing fork of generator, reproducer-demodulator amplifier are given). Orig. art. has: 7 figures.

[FSB: v. 1, no. 5]

SUB CODE: ES / SUBM DATE: none / ORIG REF: 002

Card 1/1 *hds*

0900469

LOGS OF: 6-7/01/56/000/015/0794/5578

[illegible]

NOTE

Source: Seismic station. Class 42, No. 134466 [announced by "Neftepribor" Factory of the Instrument Manufacture Administration of Mosgorsovmakhhoz (Zavod "Neftepribor" Otkrytiya priborostroyeniya Mosgorsovmakhhona)]

SOULCES: Inobret prom obran tov zn, no. 15, 1966, 94

PTCNC TAGS: seismologic station, seismologic instrument

ABSTRACT: This Author Certificate presents a seismic station containing a seismic signal detector, a recording amplifier unit, an oscillograph, a magnetic drum recorder, a channel reproduction unit, a control unit, a reproduction amplifier, a multichannel borehole probe, a drum with photographic paper, a retransmitting unit, and a power supply. To increase the reliability when transferring from operation with the method of reflected waves to the method of refracted waves, a filter unit is connected between the first and second stages of the recording amplifier unit. A

Card 1/2

UDC: 550.340.19

ACC NR: AP6029933

modulator-demodulator unit and a reel type magnetic recorder are connected in series to the output of the recording amplifier unit. For operation with the method of refracted waves, the filter unit has frequency cutoffs of 7--30 hz, and for operation at sea--frequency cutoffs of 20--50 hz. To increase the reliability of the recorded data with operation by the method of regulated directional reception, a switching unit for the channels to be summed, a static correction unit, and a summing unit are connected in series between the magnetic drum recorder and the reproduction amplifier. To increase the reliability when transferring from operation with the method of reflected waves to seismic logging, a frequency selection unit is connected between the multichannel borehole probe and the magnetic drum recorder. To improve the quality of the recorded material, an electron beam unit for introducing static and dynamic corrections is connected between the reproduction amplifier and the drum with photographic paper.

SUB CODE: 06/ SUBM DATE: 05May65

Card 2/2

ZAYEVA, S.P.; GILLER, S.A.; GERMANE, S.K.; STRADYN', [Stradin, J.P.];
ALEKSEYEVA, L.N.; KRUZMETRA, L.V.; AL'BERTE, M.A.; AYZPURIETE,
I.F. [Aizpuriete, I.F.]; KALNBERG, R.Yu. [Kalnberg, R.J.]

Experimental study of furazolin (F-150), a new preparation of the
nitrofurane series. Zhur.mikrobiol., epid. i immu. 32 no.10:
17-20 0 '61. (MIRA 14:10)

1. Iz Instituta organicheskogo sinteza AN Latvyskoy SSR.
(FURAN)

AYZTYUSHKOV, Alfey Ivanovich; LAGATKIN, M.N., red.; LEBEDEVA,
Z.V., tekhn. red.

[Housing and health] Zhilishche i zdorov'e. Leningrad,
Medgiz, 1962. 28 p. (MIRA 16:4)
(DWELLINGS—HYGIENIC ASPECTS)

S/169/61/000/006/033/039
A005/A130

AUTHORS: Ayzu, Kh., Fudzhimoto, I., Khazegava, S., Koshiha, M.,
Mito, I., Nishimura, Dzh., Ioken, K., Shayn, M.

TITLE: Primary cosmic radiation at Prince Albert, Canada

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1961, 12, abstract
6G83. (Tr. Mezhdunar. konferentsii po kosmich. lucham, 1959,
T. 3. Moscow, AN SSSR, 1960, 110-115)

TEXT: The authors analyzed data from the recording of heavy nuclei
of primary cosmic radiation. The measurements were conducted on September
11, 1957 with the aid of a photoemulsion pile at an altitude of 36 km
(geomagnetic latitude 62°N). Differential energy spectra were obtained
of α -particles, nucleus groups C, N, O; F - Si; P - Fe, and Li, Be and B
in the energy range from 150 to 800 Mev/nucleon. The shapes of the spectra
for all groups except Li, Be and B were the same. The streams of Li-, Be-
and B-nuclei evince a pronounced increase of intensity (relative to the
C, N and O groups) at energies of 300-700 Mev/nucleon. Analysis of the

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Primary cosmic radiation at Prince Albert, Canada A005/A130

S/169/61/000/000/043/19

fragmentation probability of the heavy nuclei as a function of energy shows that the relative increase in quantity of the light nuclei is due to an increase in the quantity of matter permeable to heavy ($Z \geq 6$) low energy nuclei. Therefore the authors conclude that the mechanism of Fermi acceleration is not very effective in interstellar space for low energies; the most probable origin of cosmic rays is in Supernovae with their subsequent diffusion throughout the Galaxy. The authors examine the question of the relative abundance of different elements in primary radiation. They show that a number of peculiarities detected in the high energy range are also observed at energies ≤ 700 Mev/nucleon. Owing to the fact that no antiparticle whatsoever was detected, the value 0.1% was obtained for the upper limit of the amount of antimatter in primary cosmic radiation.

N. Kaminer

[Abstractor's note: Complete translation.]

Card 2/2

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АҮАҮП/ЕТ/., I.P.: "The effect of burned-out pyrites on the harvest of
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SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 2

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Determining the well-bottom parameters in electric drilling.
Trudy KNII NP no.17:106-110 '62. (MIRA 17:8)

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AMN SSSR prof. O.M.Khokhol, direktor - dotsent I.P.Alekseyenko
[Aleksieienko, I.P.]) Kiyevskogo ordena Trudovogo Krasnogo Znameni
meditsinskogo instituta im. akademika Bogomol'tsa.
(ANALGESICS) (RHEUMATIC FEVER)

AZABO, Laszlo

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calculations for the textile industry research.
Magy textil 14 no.4:176-181 Ap '62

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Dokl. AN Azerb. SSR 19 no.9:59-62 '63. (MIRA 17:8)

1. Institut geologii AN AzSSR. Predstavleno akademikom AN
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A. ADALIEV, Sh.A.

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(INFLUENZA VIRUSES, culture
drying & prolonged preserv., protective media (Rus))

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KLIMENKO, S.M.; AZADOVA, N.B.

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(INFLUENZA) (ANTIGENS AND ANTIBODIES)

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Studying the interaction of Sendai virus with tissue culture cells by the fluorescent antibody method. Vop. virus. 7 no.2:162-167 Mr-Apr '62.
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1. Institut virusologii imeni D.I.Ivanovskogo, Moskva.
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BUKRINSKAYA, A. G.; AZADVA, N. B.; GITEL'MAN, A. K.; VORKUNOVA, G. K.

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SSSR, Moskva.
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(MERCURY—ISOTOPES)

ZHDANOV, V.M.; AZADOVA, N.B.; KUL'BERG, A.Ya.

Synthesis and transport of the protein components of Sendai virus.
TSitologiya 7 no.2:250-253 Mr-Apr '65. (MIRA 18:7)

1. Laboratoriya fiziologii virusov Instituta virusologii AMN SSSR
i Otdel immunologii i onkologii Instituta epidemiologii i mikrobi-
ologii AMN SSSR, Moskva.

URYVAYEV, L.V.; AZADOVA, N.B.; ZHDANOV, V.M.

Production of pure S- and V-antibodies using immunosorbents.
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1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR,
Moskva.

KARLENKO, P.N., prof.; GUSEV, L.K., kand.med.nauk; YENIKEYEVA, M.A., kand.
med.nauk; OMIROV, R.Yu., aspirant; YUSUPOV, N.A.; ordinator;
AZAMATOV, N.A., ordinator; TAYTS, N.Yu.; ASRIYANTS, N.G., ordinator;
BORUKHOV, S.A.; ordinator.

Some results of a study of goiter in Samarkand Province of the Uzbek
S.S.R. Med. zhur. Uzb. no.5:17-20 My '61. (MIRA 14:6)

1. Iz kliniki obshchey khirurgii Samarkandskogo gosudarstvennogo
meditsinskogo instituta imeni I.P.Pavlova.
(SAMARKAND PROVINCE—GOITER)